

Judith Schmid

Education

- B.S., University of Maryland at College Park; Biochemistry, 1985.
- B.S., University of Maryland at College Park, Animal Science, 1985.
- M.S., University of North Carolina at Chapel Hill, Biostatistics, 1990.

Professional Experience

- 1/01-present: Mathematical Statistician, RTD, NHEERL, EPA
- 1/95-1/01: Mathematical Statistician, BRSS, NHEERL, EPA
- 9/94-4/96: SAS Programmer, Rho, Inc., Chapel Hill, NC
- 8/93-12/94: Scientist, ManTech Environmental Technology, Inc., RTP, NC
- 12/92-8/93: Health Services Data Analyst, Blue Cross and Blue Shield of NC, Durham, NC
- 1/91-12/92: Associate Biostatistician, Pharmaceutical Product Development, Inc., Morrisville, NC
- 1/89-1/91: Research Assistant, Biostatistics, Biometric Consulting Laboratory, UNC-CH
- 9/86-8/87: Laboratory Technician, Entomology/Ecology, University of Maryland,
- 3/83-12/85: Dept. of Entomology
- 1/86-8/86: Chemist, National Cancer Institute, NIH, Bethesda, MD.

Selected Honors

- EPA Scientific and Technological Achievement Awards: 1999 Level II, 2002 Level III, 2003 Honorable Mention

Selected Publications

Abbott BD, Buckalew AR, DeVito MJ, Ross D, Bryant PL, Schmid JE. EGF and TGF-alpha expression influence the developmental toxicity of TCDD: dose response and AhR phenotype in EGF, TGF-alpha, and EGF + TGF-alpha knockout mice. *Toxicol Sci.* 2003 Jan;71(1):84-95.

Abbott BD, Lin TM, Rasmussen NT, Albrecht RM, Schmid JE, Peterson RE. Lack of expression of EGF and TGF-alpha in the fetal mouse alters formation of prostatic epithelial buds and influences the response to TCDD. *Toxicol Sci.* 2003 Dec;76(2):427-36. Epub 2003 Sep 26.

Andrews JE, Nichols HP, Schmid JE, Mole LM, Hunter ES 3rd, Klinefelter GR. Developmental toxicity of mixtures: the water disinfection by-products dichloro-, dibromo- and bromochloro acetic acid in rat embryo culture. *Reprod Toxicol.* 2004 Nov;19(1):111-6.

Baker VA, Harries HM, Waring JF, Duggan CM, Ni HA, Jolly RA, Yoon LW, De Souza AT, Schmid JE, Brown RH, Ulrich RG, Rockett JC. Clofibrate-induced gene expression changes in rat liver: a cross-laboratory analysis using membrane cDNA arrays. *Environ Health Perspect.* 2004 Mar;112(4):428-38.

Bao W, Schmid JE, Goetz AK, Ren H, Dix DJ. A database for tracking toxicogenomic samples and procedures. *Reprod Toxicol.* 2005 Jan-Feb;19(3):411-9.

Bryant PL, Reid LM, Schmid JE, Buckalew AR, Abbott BD. Effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) on fetal mouse urinary tract epithelium in vitro. *Toxicology.* 2001 Apr 12;162(1):23-34.

Bryant PL, Schmid JE, Fenton SE, Buckalew AR, Abbott BD. Teratogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in mice lacking the expression of EGF and/or TGF-alpha. *Toxicol Sci.* 2001 Jul;62(1):103-14.

Goetz AK, Bao W, Ren H, Schmid JE, Tully DB, Wood C, Rockett JC, Narotsky MG, Sun G, Lambert GR, Thai SF, Wolf DC, Nesnow S, Dix DJ. Gene expression profiling in the liver of CD-1 mice to characterize the hepatotoxicity of triazole fungicides. *Toxicol Appl Pharmacol.* 2006 May 24.

Goldman JM, Murr AS, Buckalew AR, Schmid JE, Abbott BD. Methoxychlor-induced alterations in the histological expression of angiogenic factors in pituitary and uterus. *J Mol Histol.* 2004 May;35(4):363-75.

Hurst CH, Abbott B, Schmid JE, Birnbaum LS. 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) disrupts early morphogenetic events that form the lower reproductive tract in female rat fetuses. *Toxicol Sci.* 2002 Jan;65(1):87-98.

Karoly ED, Schmid JE, Hunter ES 3rd. Ontogeny of transcription profiles during mouse early craniofacial development. *Reprod Toxicol.* 2005 Jan-Feb;19(3):339-52.

Kim SJ, Dix DJ, Thompson KE, Murrell RN, Schmid JE, Gallagher JE, Rockett JC. Gene expression in head hair follicles plucked from men and women. *Ann Clin Lab Sci.* 2006 Spring;36(2):115-26.

Rockett JC, Kavlock RJ, Lambright CR, Parks LG, Schmid JE, Wilson VS, Wood C, Dix DJ. DNA arrays to monitor gene expression in rat blood and uterus following 17beta-estradiol exposure: biomonitoring environmental effects using surrogate tissues. *Toxicol Sci.* 2002 Sep;69(1):49-59.

Rockett JC, Patrizio P, Schmid JE, Hecht NB, Dix DJ. Gene expression patterns associated with infertility in humans and rodent models. *Mutat Res.* 2004 May 18;549(1-2):225-40.

Rosen MB, Wilson VS, Schmid JE, Gray LE. Gene expression analysis in the ventral prostate of rats exposed to vinclozolin or procymidone. *Reprod Toxicol.* 2005 Jan-Feb;19(3):367-79.

Tully DB, Bao W, Goetz AK, Blystone CR, Ren H, Schmid JE, Strader LF, Wood CR, Best DS, Narotsky MG, Wolf DC, Rockett JC, Dix DJ. Gene expression profiling in liver and testis of rats to characterize the toxicity of triazole fungicides. *Toxicol Appl Pharmacol.* 2006 Apr 25.

Tully DB, Luft JC, Rockett JC, Ren H, Schmid JE, Wood CR, Dix DJ. Reproductive and genomic effects in testes from mice exposed to the water disinfectant byproduct bromochloroacetic acid. *Reprod Toxicol.* 2005 Jan-Feb;19(3):353-66.